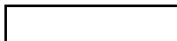


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MISSION COVERAGE STATISTICS

KH-4 MISSION IIII-I

23-30 JULY 1970

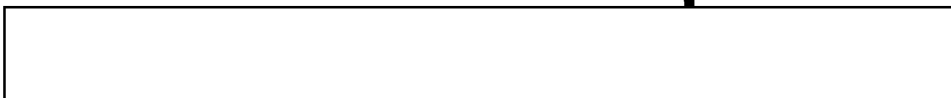
AUGUST 1970

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13 PAGES

MCS-009/70

25X1



25X1

Declass Review by NIMA / DoD

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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INTRODUCTION

This publication provides preliminary mission data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart Areas, coverage plots, and preliminary data for Mission 1111-1, dated 23-30 July 1970.

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame numbers outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

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PRELIMINARY MISSION DATA

Mission Number: 1111-1

Launch Date/Time (GMT): 23 July 1970/0125Z

Photo Dates (GMT): 23,24,25,26,27,28,29 July 1970

Recovery Date/Time (GMT): 30 July 1970/0200Z

Operational Photo Passes: 44

Operational Altitude Limits: 88 - 147 Nautical Miles

Photo Scale Range: 1:270,168 - 1:450,808

Operational Ground Coverage (Fwd and Aft):

- a. Linear Nautical Miles: 46,008
- b. Square Nautical Miles: 6,901,200

Frames:

- a. Operational

Fwd-Looking 2,876
Aft-Looking 2,875

- b. Stellar 4,830

- c. Index 2,415

Operational Imagery Footage (Fwd and Aft): 14,245

Anomalies: No major anomalies occurred

Vehicle Attitude: Normal

Image Quality:

a. Main Cameras - The image quality is generally good. Unlike Missions 1109 and 1110, most imagery from this mission retains its sharpness at magnifications up to 50 times.

b. Stellar Cameras - The stellar cameras were operational throughout the mission. Only three to five star images are recorded in most starboard formats whereas an average of 20 images are recorded in the port formats.

c. Index Cameras - A one-inch wide band near the format center is degraded by a series of intermittent plus density lines. This anomaly is similar but less severe than that experienced on Mission 1110.

Cloud Free Coverage: Approximately 73 percent of the entire mission is cloud free.

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GREENWICH MEAN TIME

These times are derived from preliminary data and cannot be verified at this time. They are carried to the nearest whole minute.

MISSION 1111-1

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
3A	23 July 1970	05	38	05	42
4A (1)	23 July 1970	07	07	07	11
4A (2)	23 July 1970	07	12	07	15
5M	23 July 1970	08	43	08	49
6A	23 July 1970	10	12	10	13
7A	23 July 1970	11	45	11	47
16A	24 July 1970	01	07	01	08
17A (1)	24 July 1970	02	37	02	39
17A (2)	24 July 1970	02	42	02	43
18A (1)	24 July 1970	04	08	04	10
18A (2)	24 July 1970	04	12	04	14
19A	24 July 1970	05	40	05	44
20A (1)	24 July 1970	07	08	07	10
20A (2)	24 July 1970	07	14	07	16
25D	24 July 1970	15	01	15	04
31A	24 July 1970	23	39	23	40
32A	25 July 1970	01	09	01	10
33A	25 July 1970	02	42	02	45
34A	25 July 1970	04	10	04	11
35A	25 July 1970	05	40	05	42
36A (1)	25 July 1970	07	10	07	11
36A (2)	25 July 1970	07	12	07	16
41D	25 July 1970	15	02	15	05
47A	25 July 1970	23	40	23	40
52A	26 July 1970	07	14	07	17
52D	26 July 1970	07	29	07	30
53D	26 July 1970	09	01	09	02
54D	26 July 1970	10	24	10	25
55D	26 July 1970	11	59	12	00
63A	26 July 1970	23	36	23	39
64A	27 July 1970	01	08	01	09
65A	27 July 1970	02	41	02	42
66A (1)	27 July 1970	04	09	04	11
66A (2)	27 July 1970	04	12	04	13
67A	27 July 1970	05	41	05	43
68A	27 July 1970	07	14	07	16
69M	27 July 1970	08	46	08	50
69D	27 July 1970	08	55	08	56
70D (1)	27 July 1970	10	20	10	22
70D (2)	27 July 1970	10	27	10	30
71D	27 July 1970	11	56	11	56
72D (1)	27 July 1970	13	26	13	27
72D (2)	27 July 1970	13	30	13	32
79A	27 July 1970	23	37	23	38

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Mission 1111-1 (Continued)

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
81A (1)	28 July 1970	02	37	02	37
81A (2)	28 July 1970	02	41	02	42
82A (1)	28 July 1970	04	08	04	09
82A (2)	28 July 1970	04	11	04	13
83A	28 July 1970	05	42	05	44
85D (1)	28 July 1970	08	52	08	53
85D (2)	28 July 1970	08	55	08	56
86D	28 July 1970	10	26	10	27
88D (1)	28 July 1970	13	28	13	28
88D (2)	28 July 1970	13	31	13	33
94A	28 July 1970	22	04	22	04
95A	28 July 1970	23	37	23	39
97A (1)	29 July 1970	02	39	02	40
97A (2)	29 July 1970	02	42	02	43
97A (3)	29 July 1970	02	45	02	46

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